

App. No. 10/713,627
Amendment Dated August 16, 2006
Reply to Office Action of March 8, 2006

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REMARKS/ARGUMENTS

Claims 1, 40-42 and 44-61 are pending. Independent claims 1, 40-42, and 61 have been amended. No new matter has been added (see, for example, page 3, lines 4-6 and page 6, lines 14-17). Applicants believe the claims are allowable as more fully stated herein.

I. Rejection of Claims 20, 23, 25-29, 44, 48-50, and 52 Under 35 U.S.C. 102(b)

Claims 20, 23, 25-29, 44, 48-50, and 52 stand rejected under 35 USC §102(a) as being anticipated by U.S. Patent No. 5,548,814 ("Lorang"). With respect to claim 44, Lorang fails to teach (or fairly suggest) means for receiving a signal that is arranged to receive a first broadcast signal from a broadcast transmitter when the mobile device is in a broadcast mode and is arranged to receive a first localcast signal from a localcast transmitter when the mobile device is in a localcast mode. As defined by the specification (page 2, first full paragraph), a localcast mode is used to transmit information over a relatively short range, such as within an office or on a corporate campus. Furthermore, localcasting is distinguished from point-to-point communications in the specification (page 3, lines 7-13).

In contrast, Lorang in Figure 11 merely describes alternate paths of communication to the PDU (portable data unit) to be used when other paths fail. For example, the least preferred path, but having the greatest range, is the "stick" 20 paging cell (FM transmission only), which does not provide an acknowledgement that the transmission has been received (see discussion at col. 12, lines 42-67). Thus, it is noted that the paging cell only transmits data to the PDU, and the PDU cannot broadcast (or localcast) to the paging cell stick. Applicants further note that the

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"office" and "home" cells are described by Lorang as functional equivalents (see Col. 12, lines 46 and 47) and thus one cannot be in a broadcast mode and the other in a localcast mode.

Additionally, Lorang teaches a Personal Information Base Station ("PIBS") for communicating with a PDU (see Fig 12, and column 13, et seq.). The PIBS does not localcast information to the PDU because a phone number is used to initiate a session using the PIBS (col. 13, lines 53-57). If the phone number is not known, the PIBS can be paged using the paging system (which is a one-way broadcast) for the purpose of trying to establish a link with the PDU (col. 13, line 61-column 14, line 5). Thus, Lorang does not teach or suggest the recited limitations and claim 44 is submitted to be allowable. Accordingly, applicants request that the rejection be withdrawn.

Claim 48 depends from claim 44 and is submitted to be allowable for the reasons discussed above for claim 44. As discussed above, Lorang does not teach or suggest transmitting data in a localcast mode and a broadcast mode from a mobile device.

Claim 49 depends from claim 44 and is submitted to be allowable for the reasons discussed above for claim 44. As discussed above, Lorang does not teach or suggest transmitting data in a localcast mode and a broadcast mode from a mobile device. The cited art (col. 7, lines 14-16) discusses a point-to-point session in which the PDU issues an RTS (request to send), which is not typically used in broadcasting or localcasting.

With respect to claim 50, Lorang fails to teach (or fairly suggest) a transceiver that is coupled to the antenna assembly, wherein the transceiver is arranged to provide communication over the antenna assembly in one of a broadcast mode and a localcast mode. As discussed above

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with respect to claim 44, Lorang does not teach or suggest transmitting data in a localcast mode and a broadcast mode from a mobile device. In contrast, the receiver 12 can receive (only) and buffer message information from the paging system at one frequency while the Tx/Rx switch 16 can communicate with the LAN over the communication link between antennas 13 and 44 (col. 6, lines 16-20). Thus, Lorang does not teach or suggest the recited limitations and claim 50 is submitted to be allowable. Accordingly, applicants request that the rejection be withdrawn.

Claim 52 depends from claim 50 and is submitted to be allowable for the reasons discussed above for claim 50.

With respect to claim 20, Lorang fails to teach (or fairly suggest) a digital radio that is configured to receive information content in a localcast-mode and in a broadcast-mode, and to transmit information content in a localcast-mode and in a broadcast-mode. As discussed above with respect to claims 44 and 50, Lorang instead uses a paging network, which from the viewpoint of the PDU, is a receive-only function in a broadcast mode. Moreover, Lorang also lacks a localcast mode as discussed above. Thus, Lorang does not teach or suggest the recited limitations and claim 20 is submitted to be allowable. Accordingly, applicants request that the rejection be withdrawn.

Claim 23 depends from claim 20 and is submitted to be allowable for the reasons discussed above for claim 20.

Claims 27, 28, and 29 depend from claim 20 and are submitted to be allowable for the reasons discussed above for claim 20. As discussed above with respect to claim 49, Lorang (col.

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7, lines 14-16) discusses a point-to-point session in which the PDU issues an RTS (request to send), which is not typically used in broadcasting or localcasting.

II. Rejection of Claims 21-22, 24, 45-47, and 51 Under 35 U.S.C. 103(a)

Claims 21-22, 24, 45-47 and 51 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,548,814 ("Lorang") in view of U.S. Patent No. 5,168,271 ("Hoff"). Regarding claim 51, applicants traverse the rejection because (as discussed above with respect to claim 50) Lorang does not teach or fairly suggest a transceiver that is coupled to the antenna assembly, wherein the transceiver is arranged to provide communication over the antenna assembly in one of a broadcast mode and a localcast mode. Hoff fails to overcome this deficiency because Hoff is directed to a wide area paging system that uses stereo FM sidebands (see Abstract). Accordingly Lorang and Hoff, either singly or in motivated combination, do not teach or suggest the claimed limitation, and claim 51 is submitted to be patentable.

Regarding claim 45, applicants traverse the rejection because (as discussed above with respect to claim 44) Lorang does not teach or fairly suggest a means for receiving a signal that is arranged to receive a first broadcast signal from a broadcast transmitter when the mobile device is in a broadcast mode and is arranged to receive a first localcast signal from a localcast transmitter when the mobile device is in a localcast mode. Hoff fails to overcome this deficiency because Hoff is directed to a wide area paging system that uses stereo FM sidebands (see Abstract). Accordingly Lorang and Hoff, either singly or in motivated combination, do not teach or suggest the claimed limitation, and claim 45 is submitted to be patentable.

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Claims 46 and 47 depend from claim 44 and are submitted to be patentable for at least the reasons discussed above for claims 44 and 45.

Regarding claim 21, applicants traverse the rejection because (as discussed above with respect to claim 20) Lorang does not teach or fairly suggest a digital radio that is configured to receive information content in a localcast-mode and in a broadcast-mode, and to transmit information content in a localcast-mode and in a broadcast-mode. Hoff fails to overcome this deficiency because Hoff is directed to a wide area paging system that uses stereo FM sidebands (see Abstract). Accordingly Lorang and Hoff, either singly or in motivated combination, do not teach or suggest the claimed limitation, and claim 21 is submitted to be patentable.

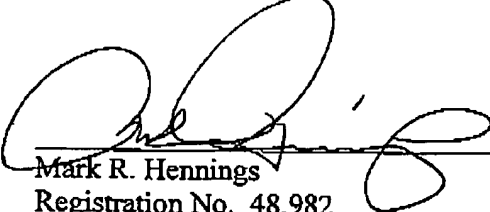
Claims 22 and 24 depend from claim 20 and are submitted to be patentable for at least the reasons discussed above for claims 20 and 21.

In view of the foregoing amendments and remarks, all pending claims are believed to be allowable and the application is in condition for allowance. Therefore, a Notice of Allowance is respectfully requested. Should the Examiner have any further issues regarding this application, the Examiner is requested to contact the undersigned attorney for the applicants at the telephone number provided below.

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Respectfully submitted,

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